



PATENT  
Attorney Docket No. HYB-005US6

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Kandimalla et al.

Examiner: Not Yet Assigned

Serial No.: 10/694,075

Group Art Unit: 1632

Filed: October 27, 2003

For: MODULATION OF IMMUNOSTIMULATORY ACTIVITY OF  
IMMUNOSTIMULATORY OLIGONUCLEOTIDE ANALOGS BY  
POSITIONAL CHEMICAL CHANGES

Commissioner for Patents

P. O. Box 1450

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Date: 8/25/04

Signature Laura Labier

Printed Name: Laura Labier

\*\*\*\*\*  
**REQUEST FOR CORRECTION OF FILING RECEIPT**

Attached is a copy of the Official Filing Receipt, the Utility Patent Application Transmittal (Transmittal) and the Related Applications Paragraph for the above-identified patent application. As indicated in the Transmittal and Related Applications Paragraph, the Filing Receipt incorrectly identifies the Domestic Priority data as claimed by Applicants. The correct information is as follows:

Domestic Priority data as claimed by applicant:

This application is a divisional of U.S. Patent Application No. 09/965,116 filed on September 26, 2001, which is a CIP of U.S. Patent Application No. 09/712,898 filed on

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Application No. 10/694,075  
Filed October 27, 2003

November 15, 2000 (abandoned) which claims benefit of U.S. Provisional Patent Application Nos. 60/235,452 and 60/235,453 both filed on September 26, 2000.

The attached copy of the Official Filing Receipt shows the changes marked in red ink for your convenience.

It is Applicants' belief that no fee is due for correction of this error. If, however, a fee is required, please charge the appropriate fee to Deposit Account No. 50-2285.

Respectfully submitted,

Dated: August 25 2004

By: Joseph C Zuccheri  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/694,075	10/27/2003	1632	385	HYB-005US6 (1006/006)	28	3	3

CONFIRMATION NO. 3779

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 BY: M.P.  
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## FILING RECEIPT



\*OC000000013371156\*

Date Mailed: 07/29/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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 Dong Yu, Westboro, MA;  
 Sudhir Agrawal, Shrewsbury, MA;

Domestic Priority data as claimed by applicant This application is a divisional of  
 09/965,116 09/26/2001

which This application is a CIP of 09/712,898 11/15/2000 ABN  
 which claims benefit of 60/201,578 05/01/2000 60/235,452 09/26/2000  
 and 60/235,453 09/26/2000

## Foreign Applications

If Required, Foreign Filing License Granted: 02/05/2004

Projected Publication Date: To Be Determined - pending completion of Sequence Disclosures

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title





Attorney Docket No. 47508.577  
September 26, 2001

COPY

MODULATION OF IMMUNOSTIMULATORY ACTIVITY OF  
IMMUNOSTIMULATORY OLIGONUCLEOTIDE ANALOGS BY POSITIONAL  
CHEMICAL CHANGES  
(Attorney Docket No. 47508.577)

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CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of U.S. patent application serial no. 09/712,898, filed on November 15, 2000. This application also claims priority from U.S. provisional patent application serial nos. 60/235,452 and 60/235,453, both filed on 10 September 26, 2000. Each of the patent applications listed above is hereby incorporated by reference in its entirety.

BACKGROUND OF THE INVENTION

Field of the invention

The invention relates to the therapeutic use of oligonucleotides or 15 oligonucleotide analogs as immunostimulatory agents in immunotherapy applications.

Summary of the related art

Oligonucleotides have become indispensable tools in modern molecular biology, being used in a wide variety of techniques, ranging from diagnostic probing methods to 20 PCR to antisense inhibition of gene expression and immunotherapy applications. This widespread use of oligonucleotides has led to an increasing demand for rapid, inexpensive and efficient methods for synthesizing oligonucleotides.

The synthesis of oligonucleotides for antisense and diagnostic applications can now be routinely accomplished. See e.g., *Methods in Molecular Biology, Vol 20: Protocols for Oligonucleotides and Analogs* pp. 165-189 (S. Agrawal, Ed., Humana Press, 1993); *Oligonucleotides and Analogues: A Practical Approach*, pp. 87-108 (F. Eckstein, Ed., 1991); and Uhlmann and Peyman, *supra*. Agrawal and Iyer, *Curr. Op. in Biotech.* 6: 12 (1995); and *Antisense Research and Applications* (Crooke and Lebleu, Eds., CRC Press, Boca



PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/694,075	
	Filing Date	October 27, 2003	
	First Named Inventor	Kandimalla et al.	
	Art Unit	1632	
	Examiner Name		
Total Number of Pages in This Submission	6	Attorney Docket Number	HYB-005US6

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
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<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<p><b>Remarks</b></p> <ol style="list-style-type: none"> <li>1. Post Card</li> <li>2. Request for Correction of Filing Receipt</li> <li>3. Original Filing Receipt (marked-up)</li> <li>4. Copy of Utility Patent Application Trans.</li> <li>5. Copy of Related Applications Paragraph</li> </ol>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Joseph C. Zuccheri, Reg. No. 55,762
Signature	
Date	August 25, 2004

### CERTIFICATE OF TRANSMISSION/MAILING

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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